"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, F.F.

Over-all mechanization of accounting and calculating operations.
Avt. i trakt. prom. no.7:5-9 Jl '56. (MLRA 9:10)

1. Pervyy gosudarstvennyy podshipnikovyy zavod.
(Machine accounting)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, Z.; MAYORSKAYA, N.

Wage system for maintenance mechanics. Sots. trud no.7:83-88 Jl '57.
(Wages) (Machinists)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, F.

Mechanization of administrative work at the First State Ball Bearing Plant. Bukhg.uchet 14 [i.e.16] no.9:30-34 '57. (MIRA 10:10)
(Bearing industry--Accounting)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

MAYORSKAYA, N., aspirant; CHAYKIN, F.

Combining machine work and machine adjustment. Sots.trud 4 no.5:116-118 My '59. (MIRA 12:8)

1. Ekonomicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta im. Lomonosova (for Mayorskaya). 2. Zamestitel' glavnogo bukhgaltera Pervogo gosudarstvennogo podshipnikovogo zavoda (for Chaykin).
(Moscow--Bearing industry--Labor productivity)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, F.

Using computing equipment in industry. NTO 2 no.10:57-58 O '60.
(MIRA 13:10)

1. Zamestitel' glavnogo bukhgaltera 1-go Gosudarstvennogo podshipnikovogo zavoda.
(Calculating machines) (Moscow--Bearing industry)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, Fedor Filippovich; KASTANAYEV, Kh., red.

[Accounting for unfinished production] Uchet nezavershennogo proizvodstva. Moskva, Gosfinizdat, 1962. 39 p. (MIRA 18:3)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN G. V.

BREZGUNOV, K.V.; MUKHAMEDZHANOV, M.; KAPIN, V.V.; SOKOLOV, Ye.P., inzh. (g.Vil'nyus); CHAYKIN, G.V.; ISHUTIN, V., dorozhnyy master

Letters to the editor. Put' put.khoz. no.9:46-47 S '59. (MIRA 12:12)

1. Zamestitel' nachal'nika distantsii puti, g.L'vov (for Brezgunov). 2. Zamestitel' nachal'nika distantsii puti, st. Zhana-Semey, Kazakhskoy dorogi (for Mukhamedzhanov). 3. Starshiy dorozhnyy master, st.Shar'ya, Severnoy dorogi (for Kapin). 4. Starshiy dorozhnyy master, st.Millerovo, Yugo-Vostochnoy dorogi (for Chaykin). 5. Putevaya mashinnaya stantsiya-77 (PMS-77), st.Sukhoye, Oktyabr'skoy dorogi (for Ishutin).
(Railroads)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

L 29573-66
ACC NR: AP6009184 SOURCE CODE: UR/0146/65/008/005/0140/0142

AUTHOR: Tazenkov, B. A.; Chaykin, I. I. 28 B

ORG: Leningrad State Pedagogical Institute im. A. A. Gertsen (Leningradskiy gosudarstvennyy pedagogicheskiy institut)

TITLE: Precision temperature controller with photoresistors

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 5, 1965, 140-142

TOPIC TAGS: temperature control, automatic temperature control, photoresistor

ABSTRACT: The development of a new photoelectric contact-type temperature controller is reported; the setting of the temperature point and the temperature measurement are performed by a compensation circuit with a d-c potentiometer. Automatic temperature holding and exact marking the time moment of passing through the reference-temperature point are materialized by two photoresistors placed in the central part of the instrument scale. The new temperature controller is intended for a two-position control of temperature of an electric-heater device. It holds the set temperature within ±0.025C and gives off a signal at each moment when the actual temperature exactly equals the set point. The controller was used for accurate measurement of semiconductor-material parameters within a 30--1100C range. A thermocouple whose free junction was held at melting-ice temperature was used as a temperature sensor. A principal circuit diagram of the controller is explained. Orig. art. has: 1 figure.

Card 1/1 cc SUB CODE: 09 / SUBM DATE: 30Nov64 / ORIG REF: 003 UDC: 662.927

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

TAZENKOV, B.A.; CHAYKIN, I.I.

Precision temperature regulator with photoresistors. Izv. vys. ucheb. zav.; prib. 8 no.5:140-142 '65. (MIRA 18:10)

1. Leningradskiy gosudarstvennyy pedagogicheskiy institut imeni Gertsena. Rekomendovana kafedroy elektroniki.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

PLANKINA, A.V., inzh.; BELIKOV, P.Ye., inzh.; CHAYKIN, I.K., inzh.

Thin-sheet mill rolls of magnesium-treated cast iron. Stal' 23 no.6:544-546 Je '63. (MIRA 16:10)

1. Kuznetskiy metallurgicheskiy kombinat.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, N.P.

These duties should not be combined. Nauka i pered.op. v sel'khoz. 7 no.8:59 '57. (MIRA 10:9)

1. Glavnyy zootekhnik Bokovskoy Mashinno-traktornoy stantsii, Bokovskogo rayona, Kamenskoy oblasti.
(Stock and stockbreeding)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

ABRAMOV, V.O., nauchn. sotr.; CHAYKIN, O.F., nauchn. sotr.; ABATURIN, L.V., nauchn. sotr.; GAVRILOV, V.I.[Havrylov, V.I.], nauchn. sotr.; ALTAYSKIY, I.P.[Altais'kyi, I.P.], nauchn. sotr.; KAMINSKIY, O.IE.[Kamins'kyi, O.IE.], nauchn. sotr.; RUMYANTSEV, O.IE., nauchn. sotr.; SUKACH, P.V., nauchn. sotr.; VASIL'YEV, V.M.[Vasyl'iev, V.M.], nauchn. sotr.; KOTOV, G.G.[Kotov, H.H.], nauchn. sotr.; OBOLENSKIY, K.P.[Obolens'kyi, K.P.], nauchn. sotr.; SAVEL'YEV, Ye.O.[Savel'iev, IE.O.], nauchn. sotr.; MOTOV, S.I., nauchn. sotr.; RUSAKOV, G.K.[Rusakov, H.K.], nauchn. sotr.; YEVDOKIMENKO, V.P.[IEvdokymenko, V.P.], red.; SKVIRSKAYA, M.P.[Skvyrs'ka, M.P.], tekhn. red.

[Economics of agricultural enterprises] Ekonomika sil'skokhospodars'kykh pidpriiemstv; navchal'nyi posibnyk. Kyiv, Derzhpolitvydav URSR, 1963. 469 p. (MIRA 16:10)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Agriculture—Economic aspects)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, Petr Ivanovich; KATSNEL'SON, S.M., red.; ATROSHCHENKO, L.Ye., L.Ye., tekhn.red.

[Glorious results and prospects in the development of agriculture; based on data from the December plenum of the Contral Committee of CPSU] Slavnye itogi i perspektivy razvitiia sel'skogo khoziaistva; po materialam dekabr'skogo Plenuma TsK KPSS 1958 g. Moskva, Izd-vo "Znanie," 1959. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.5. Sel'skoe khoziaistvo, no.1) (MIRA 12:1)

(Agriculture)

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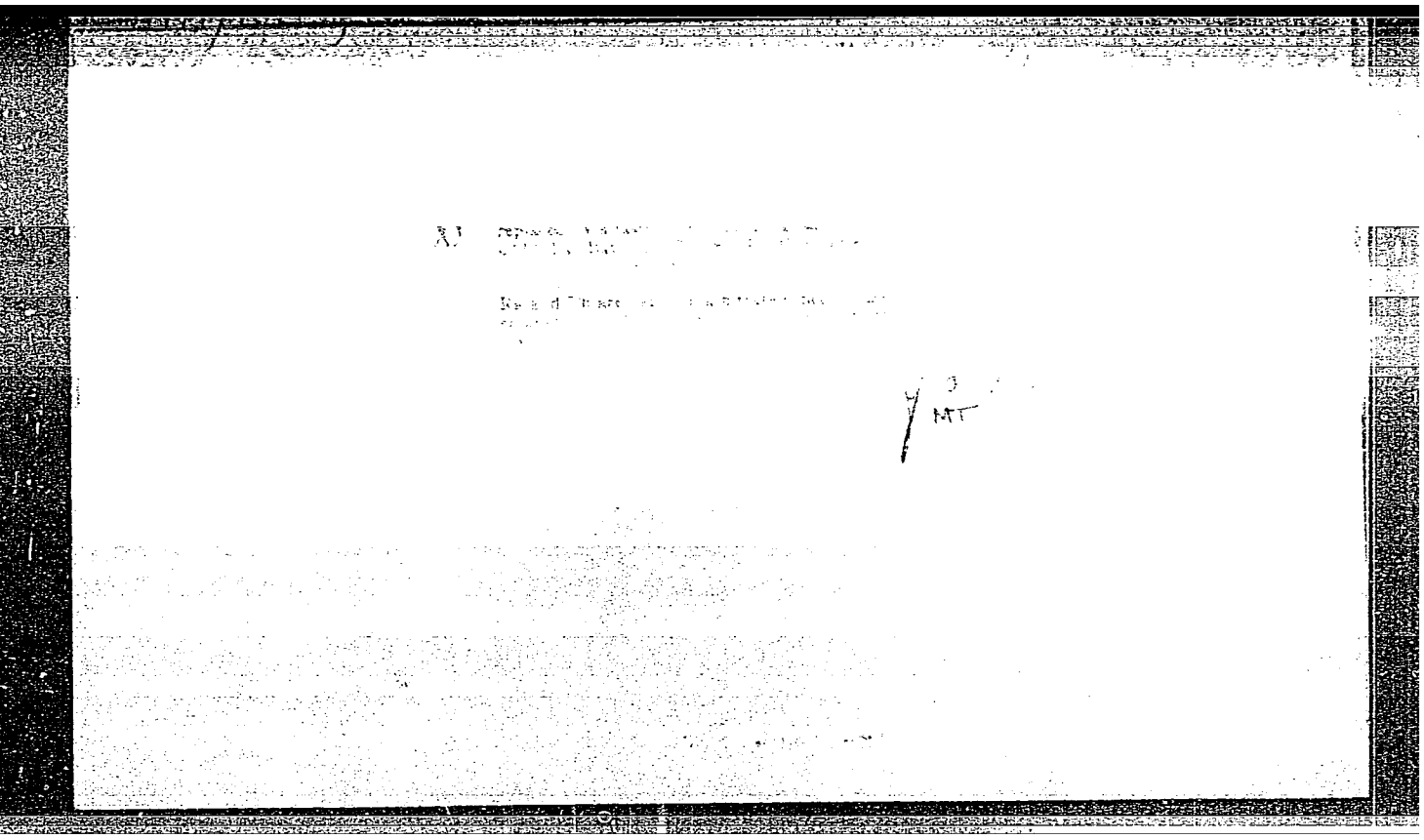

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.

Polarography of small volumes of solutions. Inform. sbor. VSEGEI No.4:133-135 '56. (MLRA 10:4)
(Polarography)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.; GUMBAR, K.K.; ZAKHZAKINA, A.K.

Emanation determination of radium isotopes in the presence of iron, calcium, and other elements. Inform. sbor. VSEGEI no.4: 138-139 '56. (MLRA 10:4)

(Radium--Isotopes)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

15-57-5-6334

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5, p 94 (USSR)

AUTHORS: Chaykin, P. I., Gumber, K. K.

TITLE: A Rapid Method of Determining the Isotopes of Radium in Rocks and Minerals (Bystryy metod opredeleniya izotopov radiya v porodakh i mineralakh)

PERIODICAL: Inform. sb. Vses. n.-i. geol. i-nta, 1956, Nr 3, pp 131-133.

ABSTRACT: The authors suggest a method for determining the isotopes of radium.. The essentials of the technique are given below. A sample up to one gram is weighed and transferred to a platinum crucible with a capacity of 20 ml. To this sample is added 0.1 g of $BaCl_2$ and 3 ml to 5 ml of HF. Samples of one to two grams are better decomposed in a small platinum dish. They are consequently treated twice by hydrofluoric acid and

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A Rapid Method of Determining the Isotopes of Radium (Cont.)

then by phosphoric acid. After elimination of the Si and HF, phosphoric acid is added in a ratio of eight times the weight of the sample. The dish with the mixture of acids is then placed on a plate while it bubbles gently. After cessation of bubbling, the dish is heated on a Bartel burner to dark red incandescence and held at this temperature until formation of a viscous mass. The fused material is cooled and leached by heating with a small amount of two percent acetic acid. The phosphate, insoluble in acetic acid, remains in the sediment. The sediment is filtered and washed in acetic acid. The filtrate is evaporated from a volume of 30 ml to 60 ml down to 20 ml to 25 ml, transferred to a bubbler, the Ra and Th are determined by the emanation method. The method may be used for separating isotopes of Ra from larger samples (up to two grams). During testing of the method it was shown that the results of the determination of Ra and Th by using phosphoric acid according to the method of E. Ye. Starik /Analiz mineral'nogo syr'ya. ONTI, Khimteoret, 1936 (Analysis of Mineral Raw Materials, United Scientific and Technical Publishing Houses, Khimteoret, 1956)/ agrees within the limits, attainable under the given conditions, of the errors of measuring. These errors amount to ± 5 percent.

Card 2/2

K. N. R.

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P. I.

CHAYKIN, P. I.

Chaykin, P. I., Gumbor, K. K., Zarezkina, A. K.

"Simplified Separation of Radium Isotopes from Samples up to 3 g" p. 50

"Separation of Radium Isotopes from Samples from 3 to 20 g" p. 51

in book Methods of Determining Radioactive Elements in Mineral Raw Materials, 1958, 68 pp

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.; GUMBAR, K.K.

Conversion of barium sulfate into barium carbonate. Inform.sbor. VSEGEI no.16:121-123 '59. (MIRA 15:3)
(Barium sulfate) (Barium carbonate)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.; GOLUBEV, N.V.; ZHEREKHOV, V.G.

Determining mesothorium 1 in natural samples of low-level radioactivity. Inform. sbor. VSEGEI no.18:89-98 '59. (MIRA 13:11)
(Radium--Isotopes)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.; GOLUBEV, N.V.

Using a tube electrometer in connection with vacuum-type removable ionization chambers for the measurement of radon. Inform. sbor. VSEGEI no.18:99-105 '59. (MIRA 13:11)
(Radon--Analysis)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, Petr Ivanovich

[Decisions of the December (1959) Plenum of the Central Committee of the CPSU; a militant program for further development of agriculture] Resheniia dekabr'skogo (1959 g.) plenuma TsK KPSS; boevaia programma dal'neishego razvitiia sel'skogo khoziaistva. Moskva, Znanie, 1960. 46 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.1, Istoriia, no.20)
(MIRA 14:7)

(Agriculture)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.

Photocolorimetric determination of scandium by the arsenazo III.
Inform.sbor.VSEGEI no.51:57-63 '61. (MIRA 15:8)
(Colorimetry) (Skandium--Analysis) (Benzenearsonic acid)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.; ZHEREKHOV, V.G.

Determining thorium by the arsenazo III after chromatographic isolation. Inform.sbor.VSEGEI no.51:65-71 '61. (MIRA 15:8)
(Chromatographic analysis) (Thorium--Analysis)
(Benzenearsonic acid)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.; SOPRINOVSKAYA, T.K.

Effect of thoron on the determination of radium emanation. Inform. sbor.VSEGEI no.51:131-133 '61. (MIRA 15:8)
(Radium) (Thoron)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, P.I.; ABATURIN, L.V.; GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAMINSKIY, A.Ye.; SUKACH, P.V.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.; SAVEL'YEV, Ye.A.; MOTOV, S.I.; RUSAKOV, G.K.; IVANOV, F.G.; PISKUNOV, V., red.; POLYAKOVA, N., red.; MUKHIN, Yu., tekhn. red.

[Economics of agricultural enterprises; textbook]Ekonomika sel'skokhoziaistvennykh predpriiatii; uchebnoe posobie. Moskva, Gospolitizdat, 1962. 510 p. (MIRA 15:9)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Farm management)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, R.I.; GOLUBEV, N.V.; ZHEREKHOV, V.G.

Determination of mesothorium 1 (radium 228) on the basis of the -particles of mesothorium 2 (actinium 228) in the presence of radium-226. Radiokhimiia 4 no.1:102-107 '62. (MIRA 15:4)
(Radium--Analysis) (Actinum)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.; GOLUBEV, N.V.

Effect of actinon and radon on the determination of thoron by the emanation method. Radiokhimiia 4 no.6:742-744 '62. (MIRA 16:1)

(Radon)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, P.I.; ABATURIN, L.V.; GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAMINSKIY, A.Ye.; SUKACH, A.F.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.; SAVEL'YEV, V.A.; RUSAKOV, G.K.; IVANOV, F.G.; POLYAKOVA,N., red.; MUKHIN, Yu.,tekhn.red. .

[Economics of agricultural enterprises] Ekonomika sel'skokhoziaistvennykh predpriiatii; uchebnoe posobie. Izd.2., dop. Moskva, Politizdat, 1963. 527 p. (MIRA 17:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.

(Agriculture--Economic aspects)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.; GOLUBEV, N.V.

Rapid method of isolating radium isotopes for emanation measurements. Radiokhimiia 5 no.3:397-399 '63. (MIRA 16:10)

(Radium isotopes—Analysis)
(Radon—Analysis)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.; KONSTANTINIDI, Zh.F.

Separation of radium with barium and calcium carbonate. Trudy VSEGEI 117:93-97 '64. (MIRA 17:9)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, P.I.; KONSTANTINIDI, Zh.F.; GOLUBEV, N.V.

Coprecipitation of radium with barium sulfate. Trudy VSEGEI 117: 99-103 '64. (MIRA 17:9)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

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L 47364-66 EWT(e)/EWT(m)/T/EWP(t)/ETI IJP(c) JD/WW/JG/WH

ACC NR: AR6028431 SOURCE CODE: UR/0137/66/000/005/G039/G039

AUTHOR: Zatulovskiy, L. M.; Artyshevskiy, P. P.; Chaykin, P. M. 35 34 13

TITLE: The possibility of using induction annealing at sonic frequencies in equipment for producing semiconductor materials by the method of drawing from molten metal 14

SOURCE: Ref. zh. Metallurgiya, Abs. 5G294

REF SOURCE: Elektrotermiya. Nauchno-tekhn. sb. vyp. 46, 1965, 15-17

TOPIC TAGS: annealing, induction annealing, metal drawing

ABSTRACT: Calculations showed the advantages of induction annealing, particularly at sonic frequencies, when drawing single crystals by the Chokhral'skiy's method over resistance annealing. Induction annealing makes it possible to bring about effective equalization of the melt temperature owing to electrodynamic stirring. By selecting the current frequency, the profile, and the wall thickness of the crucible, it is possible to use the power output by the height and cross-

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ACC NR: AR6028431

section of the crucible. By the same means, it is also possible to regulate the circulation of the metal in the crucible. Corresponding magnitudes were determined for the current density and power per unit length of the crucible and the melt as a function of the wall thickness of the graphite crucible during annealing at a frequency of 8000 cps. The problem was solved for two variants for constant magnetic field intensity on the surface of the crucible and for a constant power per unit length of both the crucible and the melt. [Translation of abstract] [FM]

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, S.I.

Geology of the Yakovlevo ore deposits and prospects for the exploration of rich ores of the Kursk magnetic anomaly. Gor. zhur. no.11:3-10 N '56. (MLRA 10:1)

1. Glavnyy geolog Belgorodskoy zhelezorudnoy ekspeditsii.
(Kursk Province--Iron mines and mining) (Prospecting)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

132-58-3-1/15

AUTHOR: Chaykin, S.I.,

TITLE: On the Origin of the Rich Iron Ores of KMA (O genezise bogatykh zheleznykh rud KMA)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 3, pp 1-13 (USSR)

ABSTRACT: This article deals with the formation of the rich iron ores of KMA (Kurskaya magnitnaya anomaliya) as indicated by research work recently conducted in the Belgorod region. This region is situated on the Kursk-Voronezh elevation of the Pre-Cambrian crystallic massif which has an anticlinal structure. The axis of the anteclise passes through Kursk and can be traced in a south-easterly direction to Pavlovsk on the Don river. In the anticlinal part of the crystal massif, its average depth is from 70 to 80 m. In the Moscow syneclise in the north and the Dneper-Donets syneclise in the south, it reaches a depth of 600 to 700 m. In the northern parts, the sedimentary stratum covering the crystal massif is composed of rocks of the Meso - Cenozoic and Devon Periods. The stratum covering the anticlinal part of the crystal massif is less important and contains mainly the rock of the Devonian, Jurassic, Cretaceous,

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Tertiary and Quaternary Periods. To the south, the magnitude of the sedimentary stratum in the northern wing of the Dneper-Donets syneclise is much more important and is composed of the elements of Carboniferous, Jurassic, Cretaceous, Tertiary and Quaternary Periods. The crystal massif within the KMA is composed of ferruginous quartzites and microcrystallic phyllite-like shists, which form the so-called Kursk metaphoric series related in its age to the Proterozoic Era. The rocks of this series occur among the granite-gneiss complex of the Pre-Cambrian Period. This series is divided in 3 suites: The upper and lower suites are formed by shists and the middle is formed by ferruginous quartzites. The ferruginous quartzites form narrow belts, 150 to 500 m wide. In the KMA region the rocks of the Kursk metaphoric series form the synclinal zones which correspond to its basic anomalous belts. The zones have a complicated, sometimes isoclinal structure, and in this connection, the repeated outlets of ferruginous quartzites are observed: in the Belgorod region seven basic belts of these quartzites are known. The rocks of crystal foundation of the KMA underwent deep hypogene changes which led to the formation of an erosive crust of great magnitude. The granite-gneisses of

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the Pre-Cambrian Period and the phyllitic shists of the Proterozoic Period were transformed into porous multicolored (often containing iron) argillaceous products; bauxite and bauxite-like rocks were often found there. The ferruginous quartzites in the erosive parts were transformed into a porous rich iron ore. The magnitude of the eroded crust in the KMA region varies from a few to 350 to 380 m. Exploring and prospecting operations showed, that rich deposits of iron ore were to be found on the whole length of the belts of ferruginous quartzites. The mineral composition of the rich ores depended on ferruginous quartzites from which they were formed. The study of the composition of rich ores of the Belgorod region and of the conditions of their occurrence showed many characteristics inherent to the eroded crust: the manto-like character of the stratum, the ores are located at the heads of intensively dislocated ferruginous quartzites; a gradual decrease of the horizontal magnitude of ore deposits with growing depth; a wide spreading of martite, dispersed hematite and of hydro-ferric oxides in the ores, these minerals being typical for the eroded crusts; the weakening and complete disappearance-in depth-of processes of martitization, which

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On the Origin of the Rich Iron Ores of KMA 132-58-3-1/15

accompany the formation of rich ores; a high porosity, which is a result of the predominance of the process of solution over the process of depositions; its large expansion in the limits of potential ore-bearing rocks; changes in the rocks which surround the ores are characteristic for exogenous processes (phyllites are transformed into argillous and sericit-kaolinitic rocks), and these changes disappear in the deeper layers. More symptoms could be found to prove the hypogene character of formation of rich ores, but the author finds that those mentioned above are sufficient to show the connection between the formation of these ores with the process of erosion. There are 2 figures, 2 tables and 10 Soviet references.

ASSOCIATION: Belgorodskaya zhelezorudnaya ekspeditsiya (Belgorod Iron Ore Expedition)

AVAILABLE: Library of Congress

Card 4/4 **1. Iron ores-USSR**

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CHAYKIN, S.I.

New data on the geology of the crystalline bedrock in the Belgorod iron ore deposit. Mat. po geol. i pol. iskop. tsentr. raion. evrop. chasti SSSR no.2:53-65 '59. (MIRA 13:9)

1. Belgorodskaya zheleznorudnaya ekspeditsiya.
(Kursk Magnetic Anomaly--Geology)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

3(8) SOV/132-59-5-3/17

AUTHOR: Chaykin, S.I.

TITLE: The Experience of Prospecting for Rich Iron Ores of the KMA

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 5, pp 8-13 (USSR)

ABSTRACT: Different methods used in prospecting for rich iron ores of the KMA (the Kursk Magnetic Anomaly) are described in this article. It was found that the best way of locating the iron ore deposits was by using a complex of magnetometric, variometric and seismometric methods of surveying. Deep deposits of the region are composed basically of non-magnetic martites and the magnetometric survey, applied alone, gave negative results. For example, the zone of the rich Yakovlevskoye Deposit composed of intensly martitized ferrous quartzites, which, in normal conditions, are the cause of magnetic anomalies. As the deposit indicated a low magnetic field intensity it was at first overlooked and mapped much later with the help of the gravimetric survey. According to the author, the association of the martitization of ferrous quartzites with the occurence of a rich mineralization allows to consider the martitization

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SOV/132-59-5-3/17

The Experience of Prospecting for Rich Iron Ores of the KMA

as a criterion for the location of rich iron ores. The location of martitized zones by gravimetric method of survey is made possible because of a marked difference between the gravity gradients characteristic for rich iron ores, martitized ferrous quartzites and for enclosing non-ore bearing schistosic rocks. According to N.G. Shmidt, the average density of rich ores is 3.66 gr/cu cm and varies from 2.8 to 4.4 gr/cu cm and the density of schist is from 2.5 to 2.7 gr/cu cm. The ensuing exploratory drillings in most cases confirmed these findings, though in some cases this regularity did not apply and the zones of powerful martitization were associated with relatively thin ore deposits. N.G. Shmidt proposed the seismometric method of survey to obtain more reliable results. This method is based on the fact that the amplification speed of resilient waves in eroded, loose, rich ores is different from the speed in the compact non-eroded rocks. In the particular case of the **Yakovlevskoye Deposit**, the waves faded completely, thus indicating the richness of the deposit. The seismometric method of survey alone cannot solve the problem

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The Experience of Prospecting for Rich Iron Ores of the KMA

because the wave absorption is also observed in zones of eroded non-ore bearing phillitic schists; the gravimetric method would give better results dividing the products of erosion of non-ore bearing schists and of ferrous quartzites distinguishable by their different density. The combined use of magnetometric, variometric and seismometric methods permits to locate the prospective sites of occurence of rich iron ores of considerable thickness. Such sites are characterized by 1) a sharp decrease of the magnetic intensity field combined with the increased values of the gravitation fields; and 2) a considerable decrease of amplification speed of seismic waves or even their complete absorption. These findings were later confirmed by exploratory and prospecting drillings conducted in the Belgorod region, where the Yakovlevskoye and Gostishchevskoye deposits were thus located. The author recommends the combined use of gravimetric and seismometric method of surveying for prospecting operations in other parts of the Soviet Union. There is 1 map, 1 profile and 4 Soviet references.

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The Experience of Prospecting for Rich Iron Ores of the KMA

ASSOCIATION: Belgorodskaya zhelezorudnaya ekspeditsiya (The Belgorod Iron Ore Expedition).

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

MOSIN, M.I.; KATS, G.I.; SHEVYAKOV, L.D., akademik, red.; SHUKHARDIN, S.V., red.; AGOSHKOV, M.I., red.; BORISOV, S.F., red.; BYSTROV, N.M., red.; KISLOV, V.M., red.; KRAKHMALEV, M.K., red.; KUZNETSOV, N.A., red.; MAN'KOVSKIY, G.I., red.; MEL'NIKOV, N.V., red.; POLKOVNIKOV, A.A., red.; POPOV, K.S., red.; CHAYKIN, S.I., laureat Leninskoy premii, red.; GUSCHAROVA, Ye.A., tekhn. red.

[Kursk Magnetic Anomaly; history of the discovery study, and commercial development of iron-ore deposits. Collection of documents and materials in two volumes, 1742-1960] Kurskaia magnitnaia anomaliia; istoriia otkrytiia, issledovanii i promyshlennogo osvoeniia zhelezorudnykh mestorozhdenii. Sbornik dokumentov i materialov v dvukh tomakh, 1742-1960. Belgorod, Belgorodskoe knizhnoe izd-vo. Vol.1. 1742-1926. 1961. 417 p. (MIRA 15:3)

(Kursk Magnetic Anomaly--Iron ores)
(Magnetic prospecting)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, S.I.

Carbonizat'on and chloritization of rich iron ores in the Kursk Magnet' Anomaly (KMA). Geol. rud. mestorozh. 7 no.1:82-94 Ja-F '65. (MIRA 18:4)

1. Belgorodskaya zhelezorudnaya ekspeditsiya.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, S., inzh.

Portable autoclave for testing sand. Stroi. mat. 4 no.4:39-40 Ap '58. (MIRA 11:5)
(Sand--Testing) (Autoclaves)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, S.A., inzh.

Mounting hoists on marine foundations. Bezop. truda v prom. 2 no.9:32 S '58. (MIRA 11:9)
(Oil wells--Equipment and supplies)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, S.F.; SOROKER, V.I., kandidat tekhnicheskikh nauk, redaktor.

[Principles of planning industrial enterprises for the construction industry] Osnovy proektirovaniia proizvodstvennykh predpriiatii stroitel'noi industrii. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953. 271 p. (MLRA 7:3)
(Construction industry) (Mill and factory buildings)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, S.F., inzhener.

Some problems of planning production enterprises of the construction industry. Stroi.prom. 31 no.11:27-32 N '53. (MLRA 6:12)
(Construction industry) (Industrial buildings)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, S.F., inzh.

What's new in the extraction of flooded sand, gravel, and rubble deposits. Mekh. stroi. 17 no.7:8-11 Jl '60. (MIRA 13:7)
(Vyshne-Volotsk District--Sand and gravel plants)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

GRAYKIN, S.P.

High strength aggregates for reinforced concrete plants.
Bet. i zhel.-bet. no.7:323-325 Jl '61. (MIRA 14:7)

1. Glavnyy inzh. instituta Proyektgidromekhanizatsiya Ministerstva stroitel'stva RSFSR.
(Aggregates(Building materials))

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKIN, T.V., aspirant

Vibriosis in young cattle. Veterinariia 38 no.8:27-30 Ag '61
(MIRA 18:1)

1. Leningradskiy nauchno-issledovatel'skiy veterinarnyy institut.

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L 46685-66 EWT(1)/EWP(m)/EWT(m)/T WW/ DJ

ACC NR: AP6020735 SOURCE CODE: UR/0421/66/000/003/0132/0134

AUTHOR: Snopov, A. I. (Rostov-na-Donu, Khabarovsk); Chaykin, V. A. (Rostov-na-Donu, Khabarovsk) 44B

ORG: none

TITLE: Contribution to the hydrodynamic theory of the gas spherical ball bearing

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 3, 1966, 132-134

TOPIC TAGS: gas lubricated bearing, ball bearing, hydrodynamic bearing

ABSTRACT: This is a continuation of earlier work by the authors (Materialy XVI nauchnoy studencheskoy konferentsii, Izd. Rostovskogo un-ta, 1963, pp 40-44; Izv. AN SSSR, OTN, Mekhanika i mashinostroyeniye, 1959, no. 6, pp. 14-20) dealing with gas-lubricated spherical ball bearings. A solution is obtained for stationary isothermal motion of viscous gas between a stationary sphere and an eccentric ball contained in it and rotating at constant angular velocity. The authors improve the convergence of the previously derived series expansion obtained for the pressures by a method of separating the singularities. Certain conclusions are drawn from the results regarding the load on the bearing and the relative directions of the torque, rotation axis, the line joining the centers of the spheres, and the load vector in the case of low and high bearing speeds. Orig. art. has: 1 figure and 9 formulas.

SUB CODE: 20/ 13/ SUBM DATE: 14Jun65/ ORIG REF: 002/ OTH REF: 001

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~~CHAYKIN, V.V.~~
CHAYKIN, V.V.

BALAKHONTSEV, Ye.V.; CHAYKIN, V.V. redaktor; ZUBAKIN, I.M. tekhnicheskiy redator.

[Principles of technical thermodynamics] Osnovy tekhnicheskoi termodinamiki. Moskva, Gos.izd-vo oboronnoi promyshlennosti, 1955. 271 p. (MLRA 8:8)
(Thermodynamics)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

BLONSKIY, Pavel Petrovich [deceased]; SHCHEROVITSKIY, G.P., red.; CHAYKINA, A.I., red.

[Selected psychological works] Izbrannye psikhologicheskie proizvedeniia. Moskva, Prosveshchenie, 1964. 546 p. (MIRA 18:3)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, K. V.

KHVOSTOVA, V.V., DELONE, N.L., SOROKINA, O.N., TRUKOV, V.L., TSELISHCHEV, S.P. CHAYKINA, K.V.

Development of soft wheat seedlings obtained from seeds irradiated with thermal neutrons [with summary in English]. Biofizika 3 no.4:459-465 '56. (MIRA 11:8)

1. Institut biologicheskoy fiziki AN SSSR, Moskva i Laboratoriya biofiziki Moskovskogo ordena Lenina sel'skokhozyaystvennoy akademii im. K.A. Timiryazeva, Moskva.
(PLANTS, EFFECT OF RADIATION ON)
(WHEAT)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, K. V., Cand of Bio Sci -- (diss) "Embryological study of a new type of clover -- Trifolium apertum bobr." Moscow, 1957, 15 pp (Moscow Agricultural Academy im K. A. Timiryazev), 110 copies (KL, 37-57, 102)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, K.V., aspirant.

Particular aspects in the fertilization process of apertum clover (Trifolium apertum Bobr.). Dokl. TSKhA no.28:264-267 '57. (MIRA 11:4)
(Clover) (Fertilization of plants)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

TSELISHCHEV, S.P., starshiy nauchnyy sotrudnik, kand. fiziko-matem. nauk;
CHAYKINA, K.V., starshiy nauchnyy sotrudnik, kand. biolog. nauk

Effect of large quantities of thermal neutrons on the morphological structures of plant cells. Izv. TSKHA no.3:152-162 '64.
(MIRA 17:11)

1. Biofizicheskaya laboratoriya Moskovskoy sel'skokhozyaystvennoy akademii imeni Timiryazeva.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

Chaykina, L.F.

BUSHUYEVA, T.M.; YESYUNINA, A.I.; CHAYKINA, L.F.

Forms of calcium compounds in plants as related to different conditions of calcium nutrition. Vest. LGU 16 no. 3:24-35 '61. (MIRA 14:2)

(Plants--Assimilation) (Calcium)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

NOVIKOV, G.I.; CHAYKINA, N.I.

New method of extracting small amounts of lead from rocks and minerals. Inform.sbor.VSEGEI no.2:78-79 '55. (MLRA 9:11)
(Lead ores)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

YEFREMOV, G.V.; CHAYKINA, N.I.

Concentrating silver, indium, and thallium by coprecipitation with copper diethyldithiocarbamate. Vest. LGU 17 no.16:151-153 '62.
(MIRA 15:9)

(Urea) (Metals—Analysis)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, N.I.; YEFREMOV, G.V.

Extraction separation of silver, thallium, and indium from iron and manganese. Vest. LGU 18 no.22:155-153 '63.
(MIRA 17:1)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, N.I.; KLER, M.M. [deceased]

Spectrochemical determination of small amounts of indium, thallium, and silver in manganese ores. Vest. LGU 19 no.16:129-133 '64.
(MIRA 17:11)

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L 36255-65 EWI(m)/EWP(t)/EWP(b) IJP(c) JD/GS
ACCESSION NR: AT5007808 S/0000/64/000/000/0022/0029

AUTHOR: Chaykina, N. I.; Yefremov, G. V.

TITLE: Chromatographic separation of microgram amounts of indium from large percentages of manganese and iron

SOURCE: Leningrad. Universitet. Metody kolichestvennogo opredeleniya elementov (Methods for the quantitative determination of elements). Leningrad, Izd-vo Leningr. univ., 1964, 22-29

TOPIC TAGS: indium separation, column chromatography, ore analysis, iron analysis, cation exchange resin, anion exchange resin, manganese ore

ABSTRACT: Methods have been developed for separating indium in microgram amounts from large quantities of manganese and iron in manganese ore by ion exchange. The separation was studied with model mixtures labeled with indium-114 on the cation exchange resin KU-2 and with model blends and ore concentrates on the anion exchange resin EDE-10P. Best results in the separation of indium on the hydrogen form of KU-2 were obtained by eluting indium before manganese with 0.4-0.5 M hydrochloric acid, i.e., under conditions favoring the formation of anionic indium complexes. The method, however, does not give sharp separations in the presence of large amounts of Mn or Fe, and it is limited by the small adsorption

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L 36255-65

ACCESSION NR: AT5007808

capacity of the resin for Mn under experimental conditions. Better separations were achieved by adsorption of In as $InCl_6^{3-}$ from 4 M hydrochloric acid solutions on the Cl form of the anionic resin EDE-10P, permitting separation of $1 \cdot 10^{-7}$-$1 \cdot 10^{-5}$ g In from 3.2 g Mn and 0.16 g Fe, and by elution of In with water. Addition of 10 µg indium-114 to 5 g ore and separation on EDE-10P gave recoveries of 9.91-10.18 µg indium, no detectable contamination by manganese, and very small admixtures of iron which did not interfere with the spectroscopic determination of indium. Orig. art. has: 7 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 28Sep64 ENCL: 00 SUB CODE: MM, GC

NO REF SOV: 004 OTHER: 002

Card 2/2

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L 36234-65 EWT(m)/EWP(t)/EWP(b) IJP(c) JD/JG/GS
ACCESSION NR: AT5007809 S/0000/64/000/000/0030/0037

AUTHOR: Chaykina, N. I.; Yefremov, G. V.

TITLE: Chromatographic separation of microgram amounts of silver and thallium from large percentages of manganese and iron

SOURCE: Leningrad. Universitet. Metody kolichestvennogo opredeleniya elementov (Methods for the quantitative determination of elements). Leningrad, Izd-vo Leningr. univ., 1964, 30-37

TOPIC TAGS: silver separation, thallium separation, manganese ore, ore analysis, iron analysis, column chromatography, cation exchange resin, anion exchange resin

ABSTRACT: Methods have been developed for separating microgram quantities of silver and thallium from large amounts of manganese and iron in manganese ores by ion exchange. The separation was studied with model blends and manganese ores labeled with thallium-204 and silver-110 on cationic resin KU-2 and anionic resin EDE-10P. As shown previously for indium, separation of silver or thallium by elution before manganese on the cationic resin is limited, particularly because of the relatively small adsorption capacity of the resin for manganese. Satisfactory separations were obtained by adsorption of the anionic form of thallium III and of

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L 36254-65
ACCESSION NR: AT5007809

the chloride complex of silver on the anionic resin EDE-10P, and by elution of silver with 3 M ammonia and of thallium with water. Microgram amounts of thallium can be eluted nearly quantitatively with water, whereas elution with nitric acid is required if milligram amounts of Tl are present. The method was used to separate 20 μg Tl + In and 10 μg Ag from 5 g manganese ore and for the spectroscopic determination of thallium, silver and indium in the eluate. Orig. art. has: 4 figures and 4 tables.

ASSOCIATION: none

SUBMITTED: 28Sep64 ENCL: 00 SUB CODE: MM, GC

NO REF SOV: 006 OTHER: 001

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APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, O.A., kand.veterin.nauk; VOLOBUYEVA, K.A.

Aureomycin preparation No. 2 for fattening pigs. Veterinariia 39 no.9:58-60 S '62. (MIRA 16:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva (for Chaykina). 2. Moskovskaya veterinarnaya akademiya (for Volobuyeva).

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, G.A., kand.veterin. nauk

Effect of biomycin on the secretion of intestinal enzymes in swine. Veterinariia 39 no.1:67-69 Ja '63. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva. (Aureomycin) (Digestive enzymes)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, T., arkhitektor

Mechanized four-row dairy barn at the All-Union Agricultural Exhibition. Sel'. stroi. 9 no.5:6-8 Ag '54. (MIRA 13:2)
(Moscow--Dairy barns--Exhibitions)

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CHAYKINA, Tat'yana Georgiyevna; NIKANDROV, B.I., inzhener-arkhitektor, red.; SMELYANSKIY, V.A., red.; HALLOD, A.I., tekhn.red.

[Structures for cattle] Postroiki dlia krupnogo rogatogo skota. Pod red. V.I.Nikandrova. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 215 p. (MIRA 11:4)
(Barns)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, T., inzh.

Experimental livestock farm for 600-1200 dairy cows. Eksper. proekt. no.5:5-12 '62. (MIRA 18:9)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

SNOPOV, A.I.; CHAYKINA, T.I. (Rostov-on-Don)

"Heat transfer effects in a gas-bearing"

Report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

MIKULINSKAYA, R.M.; FYADINA, D.D.; DROMASHKO, A.I.; SHULICHENKO, A.I.; ROMASHKO, Yu.V.; ZLATOPOL'SKAYA, R.D.; BERGOL'TSEVA, L.A.; VERBZUB, L.G.; CHAYKINA, T.N.; YEMEL'YANOVA, O.I.; GINZBURG, L.Ya.; GOLODYUK, L.F.; HUMYANTSEVA, I.V.; VYCHEGZHANIN, A.G.; GOL'DENBERG, R.A.

Data on the study of the epidemiological effectiveness of vaccination against influenza in Kharkov in Octover 1957. Vop.virus. 4 no.4:407-411 Jl-Ag '59. (MIRA 12:12)

1. Khar'kovskiy institut vaktsin i syvorotok imeni I.I. Mechnikova.
(INFLUENZA, prevention & control)

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(A) L 13523-66 EWT(m)/ETC(F)/EWG(m)/EWP(j)/T RM/DS

ACC NR: AP6001055 SOURCE CODE: UR/0190/65/007/012/2020/2023

AUTHORS: Chaykina, Ye. A.; Gal'braykh, L. S.; Rogovin, Z. A.

ORG: Moscow Textile Institute (Moskovskiy tekstil'nyy institut)

TITLE: Synthesis of a polymeric complexing agent based on modified cellulose substituted with iminodiacetate groups

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 12, 1965, 2020-2023

TOPIC TAGS: ion exchange resin, cellulose, intermolecular complex

ABSTRACT: Preparation of a selective ion exchanger by nucleophilic substitution reaction of cellulose tosylate (I) with iminodiacetic acid (II) or its diethyl ester (III) was investigated. Reaction proceeded according to the equation

$$[C_6H_7O_2(OH)_{3-x}(OSO_2C_6H_4CH_3)_x]_n \xrightarrow[-nCH_3C_6H_4SO_3H]{nHN(CH_2COOR)_2} [C_6H_7O_2(OH)_{3-x}(N(CH_2COOR)_2)_x]_n,$$

where R = H, C_2H_5. The effect of the temperature and time of reaction on the composition of the product was studied. Optimum reaction conditions were 16--17 hours at 120C, with liquor ratio of 1:20 and molar ratio of I:II = 1:5. Degree of sub-

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L 13523-66
ACC NR: AP6001855

stitution of the product γ = 29--30 (calculated from N content). Content of carboxyl groups = 12.5--13.5%, exchange capacity of the exchanger (fibrous product) 2.5 mg-equiv/g (measured with 0.1N NaØH). Preliminary study of the properties of the obtained exchange resin shows it to form complexes with Cu^{2+} and Ni^{2+} ions. Orig. art. has: 2 tables and 1 equation.

SUB CODE: 07/ SUBM DATE: 16Oct64/ ORIG REF: 004/ OTH REF: 006

Card 2/2 DR

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, YE. S.

7717. CHAYKINA, YE. S. Nash opyt ukrepleniya obschestvenogo khozyaystva arteli. (Kolkhoz (Bor'ba) serdobskogo rayona). Penza, kn. izd., 1954. 52s. 19 sm. 3.000 ekz. 65 K. --(55-3781)P 338.1K(47.398)

SO: Knizhnaya Letopis', Vol. 7, 1955

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, Z.S.

CHAYKINA, Z. S.

"Qualitative Characteristics of Natural Vibrations in Certain Elastic Systems." Kuybyshev State Pedagogic Insti imeni V. V. Kuybyshev, Kuybyshev, 1955. (Dissertation for the Degree of Candidate in Physical and Mathematical Sciences)

SO: M-955, 16 Feb 56

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKINA, Z.S.

AUTHOR: KONDRAT'YEV, A.S., CHAYKINA, Z.S.(Kuybyshev) 40-4-14/24

TITLE: The Oscillatory Properties of the Vibrations of a Bar Which is Compressed in Longitudinal Direction (Ostsillyatsionnyye svoystva kolebaniy prodol'no szhatogo sterzhnya).

PERIODICAL: Prikladnaya Mat.i Mekh., 1957, Vol.21, Nr 4, pp.560-563 (USSR)

ABSTRACT: The present paper is an extension of A.S.Melyakhovetskiy's result (Priklad.Mat.i Mekh.17,4,1953) to a much more general case. It is shown that the kernel of the homogeneous integral equation which is obtained in the investigation of the eigen oscillations of the bar is oscillatory for arbitrary fastening of the ends of the bar and for arbitrary axial load which does not exceed a certain maximum limit.

SUBMITTED: December 15, 1956

AVAILABLE: Library of Congress

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

GUN, R.B., konstruktor, CHAYKO, A.L., konstruktor

Automatic control of an electric desalter. Neftianik 5 no.1:14-17 Ja '60. (MIRA 13:11)

1. Spetsial'nove konstruktorskoye byuro po avtomatike v neftepererabotke i proizvodstve iskusstvennogo zhidkogo topliva.
(Petroleum refineries--Equipment and supplies)
(Automatic control)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

GUN, R.; CHAYKO, A.L.

Automatic control of pressure gradients. Neftianik 6 no.1:18 Ja '61. (MIRA 14:4)
(Oil refineries--Equipment and supplies)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

YAKUSHEV, F.N., starshiy inzh.; GUN, R.B.; CHAYKO, A.L.

Automatic control in the desalting of oil. Neftianik 6 no.8:14-16 Ag '61. (MIRA 14:10)

1. Chernikovskiy neftepererabatvyayushchiy zavod (for Yakushev).
2. Sotrudniki Spetsial'nogo konstruktorskogo byuro po avtomatike v neftepererabotke i neftekhimii (for Gun, Chayko).
(Petroleum—Refining) (Automatic control)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

EKZEMPLYARSKAYA, V.P.; CHEBOTAR', A.M.; CHAYKO, G.G., red.; BALAKHNICHEVA, T., red.; KAPITSA, V., tekhn.red.

[Public health in Moldavia; a statistical manual] Zdravookhranenie v Moldavskoi SSR; statisticheskii spravochnik. Kishinev, Gos.izd-vo Moldavii, 1958. 79 p. (MIRA 12:3)

1. Moldavian SSR. Ministerstvo zdravookhraneniya.
(MOLDAVIA--PUBLIC HEALTH--STATISTICS)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKO, I.

Spraying

Use of a horse-drawn, motor-operated dusting machine OPM installed on an automobile. MTS 12 no. 5 (1952)

9. Monthly List of Russian Accessions, Library of Congress, August 1952 ~~1953~~. Unclassified.

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

Chayko, I. G.

USSR /Chemical Technology. Chemical Products and Their Application I-10

Pesticides

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31338

Author : Chayko I.G.

Inst : Leningrad Oblast' Agricultural Experiment Station

Title : Mechanization in Application of Chemical Means for the Control of Brushwood on Grassland and Pastures

Orig Pub: Sb. tr. Leningr. obl. s.-kh. opyt. st., 1956, No 24, 256-264

Abstract: Description of agrotechnical requirements that must be met by spraying and dusting equipment in the control of brushwood by chemical means. Recommenda-

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

USSR /Chemical Technology. Chemical Products and Their Application I-10

Pesticides

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31338

tions are presented concerning the use of available spraying and dusting equipment in the control of brushwood.

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CHAYKO, I.G.

Attachment to a liquid-manure distributor for spraying plants. Zashch.rast.ot vred.i bol. 5 no.3:11-12 Mr '60. (MIRA 16:1)
(Spraying and dusting equipment)

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1. CHAYKO, I.M., KRUPITSA, K.K., Eng.

2. USSR (600)

4. Building, Stone-Leningrad

7. Leningrad experience with the design and construction of buildings made of large stone blocks., Stroi.prom., 30, No.11, 1952

9. **Monthly List of Russian Accessions, Library of Congress,** February **1953. Unclassified.**

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKO, I.M., arkhitektor; KRUPITSA, K.K., inzhener.

Building large-block apartment houses in Leningrad. Stroi. prom. 35 no.4:10-16 Ap '57. (MLRA 10:3)
(Leningrad--Apartment houses)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKO, I. M.

KHALTURIN, K.D., arkhitektor; CHAYKO, I.M., arkhitektor; GOLUBEV, S.L., inzhener; DOBROKHOTOV, I.O., inzhener; KRUPITSA, K.K., inzhener; POGORZHEL'SKIY, L.A., inzhener; POSTNIKOV, A.A., inzhener; SHAMYY, Yu.V., kandidat tekhnicheskikh nauk; OL', A.A., professor, doktor arkhitektury; URAV'YEV, B.V., kandidat arkhitektury; VASIL'YEV, B.D., doktor tekhnicheskikh nauk professor, redaktor; SHUR, N.Ya., redaktor izdatel'stva; ROZOV, L.K., tekhnicheskiy redaktor

[Large-block construction in Leningrad] Krupnoblochnoe stroitel'stvo v Leningrade. Leningrad, Gos.izd-vo lit-ry po stroit. i arkhit., 1957. 93 p. (MLRA 10:7)

1. Akademiya stroitel'stva i arkhitektury SSSR. Leningradskiy filial.
(Leningrad--Precast concrete construction)
(Leningrad--Apartment houses)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKO, I.M

KRUPITSA, K.K.; CHAYKO, I.M.

Leningrad's experience in large-block construction. Biul.tekh. inform. 3 no.1:12-16 Ja '57. (MIRA 10:10)

1.Upravlyayushchiy stroytrestom No. 102 (for Krupitsa).
2.Glavnyy inzhener proyekta instituta Lenproyekt (for Chayko).
(Leningrad--Precast concrete construction)

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SHPITAL'NIK, S.S., st. nauchn. sotr.; TROFIMOVA, L.I., st. nauchn. sotr.; LUPASHKO, Ye.I., red.; CHAYKO, I.V., red.; SYRTSOVA, S., red.

[Bibliographical index of scientific papers of the Kishinev State Medical Institute, 1946-1961] Bibliograficheskii ukazatel' nauchnykh rabot Kishinevskogo gosudarstvennogo meditsinskogo instituta, 1946-1961. Kishinev, Kartia moldoveniaske, 1963. 435 p. (MIRA 17:11)

1. Kishinev. Gosudarstvennyy meditsinskiy institut. Biblioteka. 2. Nauchnaya biblioteka Kishinevskogo meditsinskogo instituta (for Shpital'nik, Trofimova).

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKO, L. G.

"Machines and Appliances to Combat Pests and Diseases of Crops," Tbilisi, Gosizdat Gruzinskoy SSR, 1950.

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CHAYKO, N.P.

Establishing parameters in strip mining. Izv.AN Kazakh.SSR.Ser.gor. dela no.2:34-44 '61. (MIRA 15:2)
(Strip mining)

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CHAYKO, N.P.; SMIRNOV, N.I.

Method of determining the mean commercial content of metal in ore. Trudy Inst.gor.dela AN Kazakh.SSR 8:46-53 '61.
(MIRA 15:4)

(Ores--Sampling and estimation)

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"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKO, N.P.; DORONENKO, F.G.

Relation between the productive capacity of an open-pit mine and the type of equipment used. Trudy Inst. gor. dela AN Kazakh. SSSR 10:90-98 '63. (MIRA 16:8)

(Mine management)

APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0"

"APPROVED FOR RELEASE: 06/12/2000 CIA-RDP86-00513R000308210016-0

CHAYKO, N.P.

Economically expedient coefficient of overburden. Trudy Inst. gor. dela AN Kazakh. SSSR 10:110-114 '63. (MIRA 16:8)

(Strip mining)

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